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International Researcher IDs

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Education Information

Doctorate, Middle East Technical University, Faculty of Engineering, Department of Metallurgical and Materials Engineering, Turkey 2017 - Continues

Postgraduate, Pamukkale University, Faculty Of Engineering, Department Of Mechanical Engineering, Turkey 2014 - 2016

Undergraduate, Dokuz Eylul University, Faculty Of Science, Department Of Physics, Turkey 2007 - 2012

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Postgraduate, Application of Graphene on Journal Bearings, Pamukkale University, Faculty Of Engineering, Department Of Mechanical Engineering, 2016

Research Areas

Metallurgical and Materials Engineering, Engineering and Technology

Academic Titles / Tasks

Research Assistant, Pamukkale University, Faculty Of Technology, Department Of Materials Science And Engineering, 2013 - 2017

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **An Edible Supercapacitor Based on Zwitterionic Soy Sauce-Based Gel Electrolyte**
DURUKAN M. B., Keskin D., TUFAN Y., Dincer O., ÇİÇEK M. Ö., YILDIZ B., ÇINAR AYGÜN S., ERCAN B., ÜNALAN H. E.
ADVANCED FUNCTIONAL MATERIALS, vol.34, no.6, 2024 (SCI-Expanded)
- II. **Size and morphology controlled polyol synthesis of LiFePO₄ nanoparticles with addition of organic**

acid combinations

Coşkun E., Kurşun E., YILDIZ B., Aşkar Y., Bahtiyar D., AYDINOL M. K., MAVİŞ B., Çınar-Aygün S.
Ceramics International, 2024 (SCI-Expanded)

- III. **Ultra-Sensitive Bio-Polymer Iontronic Sensors for Object Recognition from Tactile Feedback**
Çiçek M. Ö., Durukan M. B., Yıldız B., Keskin D., Doğanay D., Çınar Aygün S., Çakir M. P., Ünal H. E.
Advanced Materials Technologies, vol.8, no.16, 2023 (SCI-Expanded)

Articles Published in Other Journals

- I. **Investigation of tribological behaviours of graphene-coated journal bearing**
YILDIZ B., Balkancı A., OVALI İ., ÜNLÜ C. G.
TRIBOLOGY-MATERIALS SURFACES & INTERFACES, vol.12, no.4, pp.177-185, 2018 (ESCI)

Refereed Congress / Symposium Publications in Proceedings

- I. **Investigation of the performance of colloidal LiFePO₄ particles in suspension flow battery**
Yıldız B., Aşkar Y., Coşkun E., MAVİŞ B., ÇINAR AYGÜN S.
20th International Metallurgy and Materials Congress, Online, Turkey, 10 June 2021
- II. **Synthesis of Metallic Striped and Janus Particles**
ULUSEL M., Şahin O., Dinçer O., Yıldız B., ÇINAR AYGÜN S.
20th International Metallurgy and Materials Congress, Online, Turkey, 10 June 2021
- III. **Suspension Electrode Approach for Flow Assisted Energy Storage Systems**
Çınar S., Yıldız B.
9th Eastern Mediterranean Chemical Engineering Conference, Ankara, Turkey, 31 August - 02 September 2018

Metrics

Publication: 8

Citation (WoS): 2

Citation (Scopus): 5

H-Index (WoS): 1

H-Index (Scopus): 1